

**Additional Material Table 1: White Blood Cell (WBC) counts of fresh CLL peripheral blood samples and their examination for CLL purity after density gradient centrifugation (DGC) and RosetteSep incubation prior to DGC (RS+DGC) enrichment. Data sorted by ascending WBC count. RNA Integrity Numbers (RIN) for RNA extracted from CLL cells after RS+DGC enrichment.**

sample	WBC	Cells post DGC (%)				Cells post RS+DGC (%)				RIN
		CD5 <sup>-</sup> CD19 <sup>+</sup>	CD5 <sup>+</sup> CD19 <sup>+</sup>	CD5 <sup>-</sup> CD19 <sup>-</sup>	CD5 <sup>+</sup> CD19 <sup>-</sup>	CD5 <sup>-</sup> CD19 <sup>+</sup>	CD5 <sup>+</sup> CD19 <sup>+</sup>	CD5 <sup>-</sup> CD19 <sup>-</sup>	CD5 <sup>+</sup> CD19 <sup>-</sup>	
CLL035	7.2	0.9	15.9	28.3	55.0	3.7	80.4	13.5	2.3	8.8
CLL034	8.0	0.3	66.0	27.4	6.2	0.0	89.1	9.8	1.1	-
CLL042	10.3	1.2	35.5	24.3	39.0	3.3	89.3	5.2	2.2	9.0
CLL022	14.1	3.4	58.2	8.7	29.7	2.6	89.1	7.0	1.2	-
CLL014	16.1	0.1	24.3	15.1	60.5	0.0	80.5	8.1	11.0	-
CLL013	21.3	2.9	61.9	13.3	21.8	5.9	90.5	2.3	1.4	-
CLL029	23.1	1.0	82.1	6.9	10.1	0.3	97.0	1.7	0.2	8.9
CLL031	23.4	1.1	81.6	9.8	7.5	0.1	98.6	0.9	0.4	7.7
CLL020	23.4	1.7	81.2	5.8	11.2	3.0	93.0	3.8	0.2	-
CLL016	24.8	1.8	63.3	15.3	19.6	1.6	94.9	1.9	1.6	9.0
CLL012	25.1	1.2	74.4	6.8	17.6	1.1	96.8	1.2	1.0	9.4
CLL033	25.2	0.7	75.5	13.7	10.1	0.5	93.9	5.1	0.5	-
CLL019	29.4	0.2	90.6	5.3	3.9	0.0	97.5	1.9	0.6	9.3
CLL025	34.7	9.7	59.7	23.6	7.0	1.4	94.6	3.3	0.7	9.5
CLL030	44.3	0.0	80.8	5.6	13.6	0.8	91.9	6.5	0.7	9.1
CLL028	46.7	1.1	85.2	4.2	9.6	1.7	91.8	5.7	0.8	9.1
CLL017	64.3	0.2	84.5	7.2	8.2	0.3	99.4	0.0	0.3	9.0
CLL039	64.9	0.0	90.7	0.7	8.6	0.2	98.4	0.7	0.6	9.1
CLL024	74.5	0.2	95.0	2.7	2.2	0.0	99.1	0.7	0.2	9.3
CLL021	83.5	2.3	72.0	6.3	19.3	0.1	98.6	0.4	0.8	-
CLL032	86.0	0.9	90.1	6.1	2.9	0.4	96.9	2.7	0.0	8.9
CLL002	92.9	0.6	89.9	2.0	7.4	0.5	96.8	2.3	0.4	8.2
CLL041	99.8	0.0	81.1	6.7	12.2	0.0	99.1	0.6	0.3	-
CLL001	103.3	3.0	84.1	9.8	3.1	0.2	93.7	1.0	5.2	8.0
CLL036	103.3	1.0	75.0	5.6	18.5	1.4	83.7	5.7	9.2	9.1
CLL026	112.0	0.0	97.4	0.6	2.0	0.1	98.4	0.8	0.7	9.1
CLL040	130.7	0.5	86.5	11.1	1.9	0.0	98.8	1.1	0.0	8.7
CLL023	378.7	3.1	83.6	10.4	2.9	0.5	95.8	3.2	0.6	-
CLL011	437.1	1.3	83.9	9.8	4.9	0.2	92.7	4.6	2.5	-
average	76.1	1.4	74.1	10.1	14.4	1.0	93.8	3.5	1.6	8.9